

Observations of Comet *a* 1890 (*Brooks*) made at the Royal Observatory, Greenwich.

(Communicated by the Astronomer Royal.)

The observations were made with the East or Sheepshanks Equatorial, aperture 6·7 inches, by taking transits over two cross-wires at right angles to each other, and each inclined 45° to the parallel of declination.

Comet *a* 1890 (*Brooks*).

Greenwich Mean Solar Time.	Observer.	★ R.A.	Corr. for Refraction.	★ N.P.D.	Corr. for Refraction.	No. of Comp.	Apparent R.A.	Apparent N.P.D.	Log. factor of Parallax.	Log. factor of Parallax.	Comp. Star.
d	h m s	m s	s	'	"		h m s	° ' "			
May 15	9 48 5	— 0 39'0	0'0	— 10 57'3	— 0'9	4	...	...	0'7964	a
	10 0 47	— 0 42'1	0'0	— 1 37	— 0'1	8	...	...	0'7823	b
	10 11 50	+ 1 37'0	0'0	+ 1 38'5	+ 0'1	3	20 35 42'0	47 34 49'4	0'7700	c	
17	10 21 58	— 0 11'0	0'0	— 7 2'2	— 0'6	2	...	...	0'7581	d
	9 36 40	+ 0 10'3	0'0	+ 6 18'7	+ 0'4	3	...	...	0'7860	e
	9 46 14	— 0 36'0	0'0	+ 6 27'6	+ 0'4	3	...	...	0'7748	f
18	9 53 21	— 0 13'0	0'0	— 6 42'6	— 0'4	2	...	...	0'7663	g
	12 47 56	+ 1 41'9	0'0	— 6 20'3	— 0'1	6	20 26 53'1	44 32 45'6	0'4415	h	
	12 50 58	+ 1 23'2	0'0	— 5 19'3	— 0'1	5	20 26 54'2	44 32 52'5	0'4345	i	
20	9 44 17	+ 1 12'3	0'0	— 5 18'4	— 0'2	2	20 20 44'4	42 42 37'4	0'7330	j	
	9 44 17	+ 0 4'3	0'0	+ 0 7'1	0'0	2	...	...	0'7330	k
	9 35 59	— 1 10'7	0'0	+ 0 51'0	0'0	3	20 17 11'5	41 44 9'1	0'7276	l	
21	9 46 8	+ 0 25'2	0'0	— 0 3'4	0'0	4	20 17 10'0	41 43 42'5	0'7119	m	

Greenwich Mean Solar Time.	Observer.	♌-★ R.A.	Corr. for Refraction.	♌-★ N.P.D.	Corr. for Refraction.	No. of Comp.	Apparent R.A.	Log. factor of Parallax.	Apparent N.P.D.	Log. factor of Parallax.	Comp Star.
h m s		m s	s	' "	"		h m s		' "		
May 2	L.	+0 50.5	0.0	- 9 9.2	-0.2	2	20 13 24.1	9.7461	0 45 21.6	0.7119	n
	"	+0 48.3	0.0	- 4 16.9	-0.2	2	...	9.7461	...	0.7119	o
	"	-0 27.0	0.0	- 0 14.5	0.0	2	...	9.7461	...	0.7119	p
	"	-0 44.5	0.0	- 0 43.9	0.0	2	...	9.7461	...	0.7119	q
	"	-0 12.5	0.0	+ 6 11.7	+0.2	2	...	9.7492	...	0.6924	r
27	A.D.	+0 0.3	0.0	+ 2 23.2	+0.1	3	...	9.7969	...	0.5908	s
	"	-0 31.2	0.0	- 2 13.5	-0.1	3	...	9.7960	...	0.5716	t
29	"	-1 14.2	0.0	- 4 19.9	-0.1	3	19 50 28.2	9.7944	35 55 38.0	0.5499	u
	H.	-0 31.9	0.0	- 2 45.0	0.0	2	19 38 55.1	9.7996	34 4 35.9	0.4164	v
	"	+0 41.3	0.0	+ 5 21.1	+0.1	1	19 38 54.0	9.7980	34 4 24.9	0.4068	w
30	T.	-1 26.3	0.0	- 3 6.5	-0.1	3	...	9.8044	...	0.3647	x
	"	-1 1.3	0.0	- 4 30.8	-0.1	8	19 32 44.9	9.8032	33 11 3.1	0.3586	y
31	"	-0 56.5	0.0	+ 1 58.9	0.0	2	...	9.8023	...	0.3529	z
	A.D.	+2 25.5	0.0	+ 7 53.4	+0.2	3	19 26 15.0	9.8154	32 19 45.2	0.3458	a
June 6	"	-0 6.5	0.0	+ 8 46.3	+0.2	3	...	9.8154	...	0.3468	b
	"	-1 31.0	0.0	+ 3 11.9	+0.1	3	...	9.8072	...	0.2998	γ
	H.	+3 25.5	0.0	- 8 42.6	-0.2	4	18 38 43.0	9.7873	27 48 8.8.	9.3230	δ
	"	+2 53.3	0.0	- 5 38.4	-0.1	4	18 38 42.9	9.7840	27 48 5.2	9.3029	ε

Assumed Mean Places of Comparison Stars.

	Star's Name.	R.A. 1890'o.		N.P.D. 1890'o.		Authority.
		h	m s	°	' "	
<i>a</i>	B.D. + 42°, No. 3820	20	36 17	47	46	Bonn Observations, vol. v.
<i>b</i>	B.D. + 42°, No. 3821	20	36 20	47	37	" "
<i>c</i>	W.B. (2) XX. 1132	20	34 40.41	47	32 54 2	Weisse's Bessel (2).
<i>d</i>	B.D. + 42°, No. 3815	20	35 44	47	42	Bonn Observations, vol. v.
<i>e</i>	B.D. + 44°, No. 3506	20	30 8	45	35	" "
<i>f</i>	B.D. + 44°, No. 3510	20	30 52	45	33	" "
<i>g</i>	B.D. + 44°, No. 3509	20	30 49	45	45	" "
<i>h</i>	Radcliffe, 4811	20	25 10.47	44	38 49.7	Radcliffe
<i>i</i>	Radcliffe, 4816	20	25 30.25	44	37 55.5	"
<i>j</i>	B.D. + 47°, No. 3091	20	19 31.19	42	47 39.8	Bonn Observations, vol. vi.
<i>k</i>	B.D. + 47°, No. 3095	20	20 39	42	36	" " vol. v.
<i>l</i>	Oeltz. Arg. (N) 20427-8	20	18 21.25	41	43 2.1	Oeltz. Arg. (N).
<i>m</i>	Oeltz. Arg. (N) 20397	20	16 43.82	41	43 29.9	" "
<i>n</i>	Oeltz. Arg. (N) 20296-7	20	12 32.57	40	54 15.3	" "
<i>o</i>	B.D. + 49°, No. 3237	20	12 36	40	49	Bonn Observations, vol. v.
<i>p</i>	Anonymous					
<i>q</i>	B.D. + 49°, No. 3246	20	14 6	40	46	Bonn Observations, vol. v.

	Star's Name.	R.A. 1890°.		N.P.D. 1890°.		Authority.
		h	m s	°	' "	
r	B.D. + 49°, No. 3243	20	13 36	40	39	Bonn Observations, vol. v.
s	B.D. + 54°, No. 2241	19	50 20	35	53	" "
t	B.D. + 53°, No. 2313	19	50 51	35	57	" "
u	Oeltz. Arg. (N) 19786	19	51 40'90	35	59 43'6	Oeltz. Arg. (N).
v	Oeltz. Arg. (N) 19566	19	39 25'21	34	7 7'4	" "
w	Oeltz. Arg. (N) 19542	19	38 12'70	33	58 50'2	" "
x	Anonymous					
y	Oeltz. Arg. (N) 19459	19	33 44'29	33	15 21'0	Oeltz. Arg. (N).
z	B.D. + 56°, No. 2270	19	33 43	33	10	Bonn Observations, vol. v.
a	Groombridge, 2852	19	23 47'46	32	11 39'3	Radcliffe.
β	B.D. + 57°, No. 2008	19	26 19	32	10	Bonn Observations, vol. v.
γ	B.D. + 57°, No. 2013	19	27 40	32	16	" "
δ	Oeltz. Arg. (N) 18486	18	35 14'90	27	56 43'8	Oeltz. Arg. (N).
ε	Oeltz. Arg. (N) 18495	18	35 46'90	27	53 35'8	" "

Notes.

May 15. Comet very bright.

May 18. Comet very faint.

May 30. Comet rather faint.

The observations are corrected for refraction, but not for parallax.
The initials A.D., T., L., and H. are those of Mr. Downing, Mr. Thackeray, Mr. Lewis, and Mr. Hollis respectively.